

What is claimed is:

1. A method of storing program data, which is encoded by compression, comprising:
 - extracting information, which is to be referenced in reproducing the program data, from the program data;
 - making a table of the extracted information; and
 - storing the table having the extracted information and the program data in a storage apparatus.
2. The method for storing program data of claim 1, wherein the extracting of the information comprises extracting location information of an I-picture.
3. The method for storing program data of claim 1, wherein the program data is stored in packets and the extracting of the information comprises extracting description information of each packet and location information of an I-picture.
4. The method for storing program data of claim 1, wherein the program data is encoded by compression according to the MPEG-2 standard and packetized in the form of a transport stream (TS) and the extracting of the information comprises extracting a program allocation table (PAT), a program map table (PMT), and location information of an I-picture.
5. An apparatus for storing a program which is encoded and packetized in transport stream (TS) packets according to an MPEG-2 standard, the apparatus for storing a program comprising:
 - a TS demux which extracts program packets related to a program desired to be stored from the TS packets;
 - a TS demux control unit which controls the TS demux to extract the program packets, and extracts location information of an I-picture;
 - a control unit which:
 - buffers and outputs the program packets extracted by the TS demux,
 - extracts program allocation table (PAT) and program map table (PMT) information related to the program desired to be stored from the program packets, and
 - makes a program table having the extracted PAT and PMT information and the extracted location information of a packet related to the I-picture; and
 - a storing apparatus which stores the program packets and the program table.

6. The apparatus for storing a program of claim 5, wherein the control unit comprises:

a random-access-memory (RAM) which buffers and outputs the program packets detected by the TS demux; and

a central processing unit (CPU) which extracts the PAT information and the PMT information from the program packets stored in the RAM according to a predetermined program, and makes the program table.

7. The apparatus for storing a program of claim 5, further comprising:
a digital interface unit which controls a direct memory access (DMA) operation between the storing apparatus and the control unit.

8. A method of storing TV program data which is transported via packets in a transport stream, the method comprising:

extracting program packets corresponding to the TV program data from the transport stream;

extracting a location of an I-picture from the program packets;

storing the extracted program packets; and

storing the location of the I-picture in a program table.

9. a method of storing a TV program which is encoded and packetized in transport stream (TS) packets according to an MPEG-2 standard, the apparatus for storing a program comprising:

extracting program packets related to the TV program to be stored from the TS packets;

extracting location information of an I-picture from the TS packets;

extracting program allocation table (PAT) and program map table (PMT) information related to the program desired to be stored from the program packets;

making a program table having the extracted PAT information and the PMT information and the extracted location information of the I-picture; and

storing the program packets and the program table.